...CARA PALIKE
...Engineer.

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

Name of Work:	Improvements of roads and drains at Thirumenahalli Lake road and Surrounding area in Ward No.05 (Jakkur)
Estimate Amount:-	30,000,000.00
Name of Contractor:-	E Ramesh Anand
Approved amount:-	26,382,174.00
Tender premium:-	4.99% Above

Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remark
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	KSR(8)(2)-1: Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed	Cum	2860.94	226.04	646687.00	2714.72	2714.72	226.04	613635.00	0.00	226.04	0.00	2714.72	613635.00	0.00	33052.00	
2	KSR(8)(2)(2)-10: Providing and laying Plain cement concrete of mix 1:2:4 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.44cum, in	Cum	392.19	5698	2232738.00	371.72	371.72	5698.00	2116216.00	0.00	5698.00	0.00	371.72	2116216.00	0.00	116522.00	
3	KSR(4.5.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the	Te	89.73	75943.33	3017229.00	38.75	38.75	75943.33	2942735.00	0.00	75943.33	0.00	38.75	2942735.00	0.00	74494.00	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.89 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom	Cum	662.13	7423.71	4915461.00	646.03	646.03	7423.71	4795965.00	0.00	7423.71	0.00	646.03	4795965.00	0.00	119496.00	
5	KSR(5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including	Cum	113.40	5115.35	580081.00	84.41	84.41	5115.35	431798.00	0.00	5115.35	0.00	84.41	431798.00	0.00	148283.00	
6	KSR(4-1.6 : Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.87 cum and fine aggregates @ 0.55cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well	Cum	54.24	6094.69	327822.00	46.14	46.14	6094.69	278459.00	0.00	6094.69	0.00	46.14	278459.00	0.00	49363.00	
7	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials	Nos	2667.00	454.1	1211085.00	2628.00	2628.00	454.10	1193375.00	0.00	454.10	0.00	2628.00	1193375.00	0.00	17710.00	

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1	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remark
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	17		18	19	20
8	KSHRR 8501.1: Painting two coats after filling the surface with synthetic enamel paint to approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (P.No 1863 No 24.1,KPWD SR 2018 19)	Sqm	420.00	89.04	37397.00	413.91	413.91	89.04	36855.00	0.00	89.04	0.00	413.91	36855.00	0.00	542.00	
9	Providing and fixing pre cast covering slab made out of cc 1:2:4 with 10cm thick and Finishing cutting including form work curing including cost of all materials, labour,hire charges of machinery,loading unloading,lead and lift transportation etc ,complete. (Data Rate)	Sqm	1891.80	2453.85	4642193.00	1756.35	1756.35	2453.85	4309819.00	0.00	2453.85	0.00	1756.35	4309819.00	0.00	332374.00	
10	Providing and fixing pre cast covering slab 250mm thick made out of cc 1:2:4 and jelly 20mm Down size with steel reinforcement including form work curing including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift transportation etc ,complete As per	Sqm	261.00	5688.9	1484803.00	147.82	147.82	5688.90	840933.00	0.00	5688.90	0.00	147.82	840933.00	0.00	643870.00	
11	Supplying PVC ring tight pipes confermin to IS 4985 :2988 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissioning incuding loading and un loading at both destinations and cuts of pipes	Mts	250.00	128.1	32025.00	249.50	249.50	128.10	31961.00	0.00	128.10	0.00	249.50	31961.00	0.00	64.00	
12	KSHRR M3651.14: Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and	Cum	1381.35	67.14	92744.00	1676.04	1676.04	67.14	112529.00	0.00	67.14	0.00	1676.04	112529.00	19785.00	0.00	
13	KSHRR 305.08: Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No 19.04,P No 147,KPWD SR 2018 19)	Sqm	4604.50	6.68	30758.00	5586.61	5586.61	6.68	37319.00	0.00	6.68	0.00	5586.61	37319.00	6561.00	0.00	
14	Construction of granular sub base Grading V as Sub base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with moter grader	Cum	525.02	2094.67	1099744.00	558.29	558.29	2094.67	1169426.00	0.00	2094.67	0.00	558.29	1169426.00	69682.00	0.00	
15	KSHRR M4057.17: Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in	Cum	512.69	2101.34	1077273.00	473.90	473.90	2101.34	995829.00	0.00	2101.34	0.00	473.90	995829.00	0.00	81444.00	
16	KSHRR M4051.6: Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of (5.0) kg / sqm using	Sqm	2278.50	31.16	70998.00	2106.23	2106.23	31.16	65630.00	0.00	31.16	0.00	2106.23	65630.00	0.00	5368.00	

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		Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remark
	2		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
		3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as	Sqm	2278.50	13.36	30441.00	2106.23	2106.23	13.36	28139.00	0.00	13.36	0.00	2106.23	28139.00	0.00	2302.00	
18	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with	Cum	113.93	6728.09	766531.00	105.31	105.31	6728.09	708545.00	0.00	6728.09	0.00	105.31	708545.00	0.00	57986.00	
19	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling	Cum	91.14	7914.54	721331.00	84.25	84.25	7914.54	666794.00	0.00	7914.54	0.00	84.25	666794.00	0.00	54537.00	
20	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-	Cum	348.90	4079.15	1423215.00	520.91	520.91	4079.15	2124863.00	0.00	4079.15	0.00	520.91	2124863.00	701648.00	0.00	
21	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS: 383 maximum size of	Cum	348.90	5469.34	1908253.00	520.91	520.91	5469.34	2849024.00	0.00	5469.34	0.00	520.91	2849024.00	940771.00	0.00	
22	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm	Sqm	74.60	454	33868.00	70.30	70.30	454.00	31916.00	0.00	454.00	0.00	70.30	31916.00	0.00	1952.00	
	Sub Total				**26382177.00**				**26381765.00**			**0.00**		**26381765.00**	**1738447.00**	**1738859.00**	
	Miscellaneous & Rounding off														409.00		
	Total				**26382177.00**									**26382177.00**	**1738856.00**	**1738859.00**	

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer

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...ika Project Division

...Work Slip: As per Std Tender Documents

Improvements of roads and drains at Thirumenahalli Lake road and Surrounding area in Ward No.05 (Jakkur) Byatarayanapura Sub division

Estimate Amount:- 30,000,000.00
Name of Contractor:- E Ramesh Anand
Approved amount:- 26,382,174.00
Tender premium:- 4.99% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount			
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	20
12	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH	Cum	1381.35	67.14	92744.00	1676.04	1676.04	67.14	112529.00	0.00	67.14	0.00	112529.00	19785.00	
13	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147,KPWD SR 2018-19)	Sqm	4604.50	6.68	30758.00	5586.61	5586.61	6.68	37319.00	0.00	6.68	0.00	37319.00	6561.00	
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve	Cum	525.02	2094.67	1099744.00	558.29	558.29	2094.67	1169426.00	0.00	2094.67	0.00	1169426.00	69682.00	
20	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not	Cum	348.90	4079.15	1423215.00	520.91	520.91	4079.15	2124863.00	0.00	4079.15	0.00	2124863.00	701648.00	

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1	2	3	Qty	Rates	Amount	Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Remarks
			4	5	6	10	Qty. 11	Rates 12	Amount 13	Qty. 14	Rates 15	Amount 16	17	18	20
21	Cement concrete pavement: Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS:	Cum	348.90	5469.34	1908253.00	520.91	520.91	5469.34	2849024.00	0.00	5469.34	0.00	2849024.00	940771.00	
	Grand total				26382177.00				6293161.00			0.00	6293161.00	1738447.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	26382177.00
Excess Amount =	1738447.00
Savings Amount =	1738859.00

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	6.59	%

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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stones made out of C.C. [illegible] pre cast solid cement concrete kerb

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